

# Agilent BenchCel Workstations

Automated Barcode Labeling Workstation



# Features and benefits

- **High speed:** 8-second plate transfers, 3-second labeling
- **Scalable system:** Integrate to additional Agilent and 3rd party devices
- **Storage options:** 2, 4, or 6 stacks handle up to 320 standard microplates

## Rapidly print and apply barcode labels with walk-away convenience

Agilent Automation Solutions integrates a wide range of instruments with the BenchCel Microplate Handler to create flexible benchtop automation solutions. Ask your Agilent technical sales professional for the latest list of BenchCel Microplate Handler compatible instruments.

An Automated Barcode Labeling Workstation can be created using two Agilent instruments: a BenchCel Microplate Handler that feeds ANSI-compatible unlabeled microplates to a Microplate Barcode Labeler. The Microplate Barcode Labeler uses a 400 dpi thermal transfer printer to print barcodes onto adhesive labels, which it then applies to the microplate.

An optional barcode reader can be used to verify barcodes that are applied to labels, log barcode activity, or clone barcodes if desired.

# Specifications

## Hardware

- Process approximately three microplates/minute – the Agilent BenchCel Microplate Handler can provide transfer times of approximately eight seconds per microplate; the Agilent Microplate Barcode Labeler cycle time is approximately three seconds per microplate.
- Up to 80 microplates per rack, BenchCel Microplate Handler with 2, 4, or 6 racks.
- The thermal transfer printer provides 400 dpi resolution, and can print and apply labels on any or all four sides of most ANSI-compliant microplates.

## Software

- Powerful Agilent VWorks Automation Control software for importing data and creating custom labels.
- Comma or tab delimited file, Excel spreadsheet, or ODBC-compliant LIMS compatibility.
- Format up to five human-readable fields and one bar code field.

## Barcode symbologies

Code 39, Interleaved 2 of 5, Code 128 and many others

## Operating requirements

- **Electrical:** 100 to 240 VAC, 50/60 Hz, Operating AC Current (typical) 8.2A/120V 5.7A/240V, inrush current (typical) 40A/120V 80A/240V
- **Air:** 98 LPM at 5.5 bar ( $\leq 3.5$  cfm at 80 psi)
- **Software:** ActiveX device drivers for both BenchCel and Barcode Labeler, VWorks Automation Control software for Workstation
- **PC System:** Windows 10
- **Interface:** 10 BaseT Ethernet Port, RS-232 Serial Port
- **Certification:** Instruments CE certified

## Labware compatibility

Microplates: All ANSI-compliant microplates including deep well plates, PCR plates, and tube racks.

## Performance

- **Cycle time:** Seal and stack plates at a rate of 3 per minute. Label up to four sides of a microplate and stack in 20 seconds.
- **Printer resolution:** 400 dpi
- **Label application:** ±0.5 mm horizontally or vertically

## Dimensions



### BenchCel 2R

- Height: 45.1 cm (17.8 in)
- Width: 71.4 cm (28.1 in)
- Depth: 61 cm (24 in)
- Weight: 48.8 kg (108 lbs)

### White label stock

- Standard label size 6.35 × 50.8 mm (0.25 × 2 in)
- DMSO and acetone resistant; withstand temperatures of –80 to 100 °C

## Consumables/maintenance items for Agilent Microplate Barcode Labeler

Label Roll, 5,000 Labels (0.25 in)	p/n G5404-60029
Label Roll, 6,500 Labels (0.25 in)	p/n G5404-60005
Label Roll, 13,000 Labels (0.25 in)	p/n G5404-60013
Label Roll, 6,500 Labels (0.1 in)	Hardware retrofit of Labeler by Agilent FSE required p/n G5405-60030
Microplate Barcode Labeler Thermal Transfer Ribbon	p/n 13035-001
Vacuum Pads, Set of Six	p/n 06397-001

[www.agilent.com/chem/consumables-for-lab-automation](http://www.agilent.com/chem/consumables-for-lab-automation)

Learn more:

[www.agilent.com/en/product/automated-liquid-handling/automated-liquid-handling-platforms/benchcel-workstation](http://www.agilent.com/en/product/automated-liquid-handling/automated-liquid-handling-platforms/benchcel-workstation)

Buy online:

[www.agilent.com/chem/store](http://www.agilent.com/chem/store)

U.S. and Canada

**1-800-227-9770**

[agilent\\_inquiries@agilent.com](mailto:agilent_inquiries@agilent.com)

Europe

[info\\_agilent@agilent.com](mailto:info_agilent@agilent.com)

Asia Pacific

[inquiry\\_lsca@agilent.com](mailto:inquiry_lsca@agilent.com)

DE44253.0436805556

This information is subject to change without notice.

© Agilent Technologies, Inc. 2009, 2021, 2022  
Published in the USA, June 28, 2022  
5990-3630EN

